IN THE CLAIMS:

Please CANCEL claims 2, 4, 6, 7, 9, 54 and 55, without prejudice or disclaimer.

1. (CURRENTLY AMENDED) A mobile phone which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body;

a battery pack detachably attached to the main body for supplying power thereto, said battery pack having an input/output section integrally formed therewith for performing biometric verification using input/output signals comprising biometric information; and

an interface section comprising an optical communications means for optically receiving/transmitting signals as the input/output signals, disposed on a contact surface between the battery pack and the main body, for transferring the input/output signals relating to the biometric information between said main body and the battery pack.

2. – 16. (CANCELED)

17. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body;

an attachment part detachably attached to said main body for performing a predetermined function when attached to said main body;

an input section, formed integrally with said attachment part, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, which is formed integrally with said attachment part and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person; and

an interface section, disposed between said main body and said attachment part, for sending said biometric feature information from said extracting section to said main body.

18. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body;

an attachment part detachably attached to said main body for performing a predetermined function when attached to said main body;

an input section, formed integrally with said attachment part, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said attachment part and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said attachment part and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with reference biometric feature information about the authorized user which information is previously obtained; and

an interface section, disposed between said main body and said attachment part, for sending the result of verification by said comparing/verifying section to said main body.

19. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body;

an attachment part detachably attached to said main body for performing a predetermined function when attached to said main body;

an input section, formed integrally with said attachment part, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said attachment part and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said attachment part and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with reference biometric feature information about the authorized user which information is previously obtained;

a storing section, formed integrally with said attachment part, for storing personal data of the authorized person;

a personal data read-out section, formed integrally with said attachment part and operatively connected with said storing section and said comparing/verifying section, for reading out said personal data from said storing section when said biometric feature information of the object person is identical with said reference biometric feature information of the authorized user as the result of verification by said comparing/verifying section; and

an interface section, disposed between said main body and said attachment part, for sending to said main body said personal data, which is read out from said storing section by said personal data read-out section.

20. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a main body;

a battery pack detachably attached to said main body for performing a predetermined function when attached to said main body;

an input section, formed integrally with said battery pack, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said battery pack and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said battery pack and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with (previously registered) reference biometric feature information about the authorized user;

a storing section, formed integrally with said battery pack, for storing personal data of the authorized person;

a personal data read-out section, formed integrally with said battery pack and operatively connected with said storing section and said comparing/verifying section, for reading out said personal data from said storing section when said biometric feature information of the object person is identical with said reference biometric feature information of the authorized user as the result of verification by said comparing/verifying section;

a signal synthesizing circuit, formed integrally with said battery pack and operatively connected therewith, for carrying said personal data, which is read out by said personal data read-out section, onto a supply power voltage from said battery pack to said main body as a voltage signal;

a signal separating circuit, mounted on said main body, for separating said voltage signal carried on said supply power voltage to pick up said personal data; and

a converting section, mounted on said main body, for converting said personal data, which is separated and picked up by said signal separating section, into a key-input-pattern signal.

21. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 18, further comprising a storage section, formed integrally with said attachment part, for storing said reference biometric feature information which is previously obtained.

22. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 19, further comprising a storage section, formed integrally with said attachment part, for storing said reference biometric feature information which is previously obtained.

23. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 20, further comprising a storage section, formed integrally with said battery pack, for storing previously obtained said reference biometric feature information which is previously obtained.

24. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 18, further comprising:

a medium interface section adapted to be operatively connected with a portable memory medium which stores said reference biometric feature information previously obtained; and

a feature information read-out section, operatively connected with said medium interface section, for reading out said reference biometric feature information from said portable memory medium via said medium interface section;

said medium interface section and said feature information read-out section being formed integrally with said attachment part.

25. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 19, further comprising:

a medium interface section adapted to be operatively connected with a portable memory medium which stores said reference biometric feature information previously obtained, and

a feature information read-out section, operatively connected with said medium interface section, for reading out said reference biometric feature information from said portable memory medium via said medium interface section;

said medium interface section and a feature information read-out section being formed integrally with said attachment part.

26. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 20, further comprising:

a medium interface section adapted to be operatively connected with a portable memory medium which stores said reference biometric feature information previously obtained; and

a feature information read-out section, operatively connected with said medium interface section, for reading out said reference biometric feature information from said portable memory medium via said medium interface section;

said medium interface section and a feature information read-out section being formed integrally with said battery pack.

27. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 24, wherein said portable memory medium is an IC card.

28. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 25, wherein said portable memory medium is an IC card.

29. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 26, wherein said portable memory medium is an IC card.

30. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 18, further comprising a communications section, formed integrally with said attachment part, for receiving said reference biometric feature information from an external apparatus.

31. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 19, further comprising a communications section, formed integrally with said attachment part, for receiving said reference biometric feature information from an external apparatus.

32. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 20, further comprising a communications section, formed integrally with said battery pack, for receiving said reference biometric feature information from an external apparatus.

33. – 38. (CANCELED)

39. (WITHDRAWN - ORIGINAL) A mobile electronic apparatus according to claim 20, wherein said battery pack includes a battery which is detachable and replaceable.

40. (WITHDRAWN - ORIGINAL) A battery pack which is adapted to be detachably attached to a main body of a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a casing adapted to be attached to the main body of a mobile electronic apparatus;

a battery received in said casing;

an input/output section, formed integrally with said casing, for inputting/outputting information (data); and

an interface section, formed integrally with said casing, for transferring input/output signals relating to the last-named information (data) between said input/output section and said main body when said casing is attached to the main body.

41. (IWITHDRAWN - ORIGINAL) A battery pack according to claim 40, wherein said interface section includes a signal synthesizing circuit, formed integrally with said casing and operatively connected with said battery, for carrying the input signals, which are input by said input/output section, onto a power supply voltage to be supplied from said battery pack to said main body.

42. (WITHDRAWN - ORIGINAL) A battery pack which is adapted to be detachably attached to a main body of a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a casing adapted to be detachably attached to the main body of the mobile electronic apparatus;

a battery received in said casing;

an input section, formed integrally with said casing, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said casing and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person; and

an interface section, formed integrally with said casing, for sending said biometric feature information to said main body when said casing is attached to the main body.

43. (WITHDRAWN - ORIGINAL) A battery pack which is adapted to be detachably attached to a main body of a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a casing adapted to be detachably attached to the main body of the mobile electronic apparatus;

a battery received in said casing;

an input section, formed integrally with said casing, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said casing and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said casing and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with reference biometric feature information about the authorized user which information is previously obtained; and

an interface section, formed integrally with said casing, for sending the result of the verification by said comparing/verifying section to said main body when said casing is attached to the main body.

44. (WITHDRAWN - ORIGINAL) A battery pack which is adapted to be detachably attached to a main body of a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a casing adapted to be detachably attached to the main body of the mobile electronic apparatus;

a battery received in said casing;

an input section, formed integrally with said casing, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said casing and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said casing and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with reference biometric feature information about the authorized user which information is previously obtained;

a storing section, formed integrally with said casing, for storing personal data of the authorized person;

a personal data read-out section, formed integrally with said casing and operatively connected with said storing section and said comparing/verifying section, for reading out said personal data from said storing section when said biometric feature information of the object person is identical with said reference biometric feature information of the authorized user as the result of verification by said comparing/verifying section; and

an interface section, formed integrally with said casing, for sending said personal data, which is read out from said storing section by said personal data read-out section, to said main body when said casing is attached to the main body.

45. (WITHDRAWN - ORIGINAL) A battery pack which is adapted to be detachably attached to a main body of a mobile electronic apparatus which is able to be carried by an authorized user for performing various electronic information processes, comprising:

a casing adapted to be detachably attached to the main body of the mobile electronic apparatus;

a battery received in said casing;

an input section, formed integrally with said casing, for measuring biometric information of an object person to be verified and inputting the measured biometric information;

an extracting section, formed integrally with said casing and operatively connected with said input section, for extracting biometric feature information from said biometric information, which is measured and input by said input section, for verification of the object person;

a comparing/verifying section, formed integrally with said casing and operatively connected with said extracting section, for verifying the object person by comparing said biometric feature information extracted by said extracting section with reference biometric feature information about the authorized user which information is previously obtained;

a storing section, formed integrally with said casing, for storing personal data of the authorized person;

a personal data read-out section, formed integrally with said casing and operatively connected with said storing section and said comparing/verifying section, for reading out said personal data from said storing section when said biometric feature information of the object person is identical with said reference biometric feature information of the authorized user as the result of verification by said comparing/verifying section; and

a signal synthesizing circuit, formed integrally with said casing and operatively connected with said battery and said personal data read-out section, for carrying said personal data, which is read out by said personal data read-out section, onto a supply power voltage to be supplied from said battery pack to said main body as a voltage signal.

46. (WITHDRAWN - ORIGINAL) A batter pack according to claim 40, wherein said battery is detachable and replaceable.

47. (WITHDRAWN - ORIGINAL) A batter pack according to claim 41, wherein said battery is detachable and replaceable.

48. (WITHDRAWN - ORIGINAL) A batter pack according to claim 42, wherein said battery is detachable and replaceable.

49. (WITHDRAWN - ORIGINAL) A batter pack according to claim 43, wherein said battery is detachable and replaceable.

50. (WITHDRAWN - ORIGINAL) A batter pack according to claim 44, wherein said battery is detachable and replaceable.

51. (WITHDRAWN - ORIGINAL) A batter pack according to claim 45, wherein said battery is detachable and replaceable.

52. (CURRENTLY AMENDED) A mobile phone comprising:

a main body of the mobile phone;

a battery pack detachably attached to the main body for supplying power to the main body, the battery pack having an input/output section to input information to the battery pack from outside of the mobile phone, and to output information from the battery pack to outside of the mobile phone; and

an interface section comprising an optical communication means for optically receiving/transmitting signals as the input/output signals, disposed on a contact surface between the battery pack and the main body, providing communicationsng between the main body and the battery pack, wherein the battery pack and the interface section operate together to allow biometric information to be input to the main body from outside of the mobile phone for biometric verification purposes by being input to the battery pack through the input/output section and then being input to the main body via communication between the battery pack and the interface section, and to allow information to be output from the main body to outside of the mobile phone by being output from the main body to the battery pack via communication between the interface section and the battery pack and then being output from the battery pack to outside of the mobile phone through the input/output section.

53. (NEW) A mobile phone as in claim 52, wherein information input to the main body from outside of the mobile phone by being input to the battery pack provides additional functionality to the mobile phone.

54. (CANCELED)

55. (CANCELED)